

# print matrix in snake pattern

Given a matrix of size N x N. Print the elements of the matrix in the snake like pattern depicted below.

Example 1:Input:

N = 3

matrix[][] = {{45, 48, 54},  
              {21, 89, 87}  
              {70, 78, 15}}

Output: 45 48 54 87 89 21 70 78 15

Explanation:

Matrix is as below:

45 48 54

21 89 87

70 78 15

Printing it in snake pattern will lead to the output as 45 48 54 87 89 21 70 78 15.

Example 2:Input:

N = 2

matrix[][] = {{1, 2},  
              {3, 4}}

Output: 1 2 4 3

Explanation:

Matrix is as below:

1 2

3 4

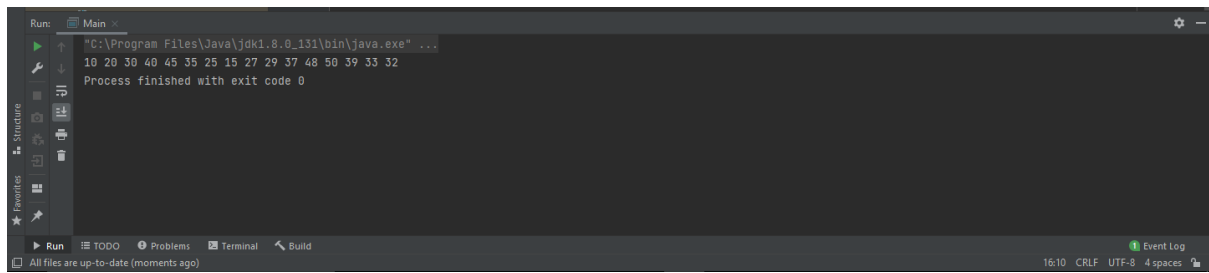
Printing it in snake pattern will give output as 1 2 4 3.

PROGARM :

```
package com.company;
import java.util.*;
class Main {
    static void print(int [][] mat) {
        for (int i = 0; i < mat.length; i++) {
            if (i % 2 == 0) {
                for (int j = 0; j < mat[0].length; j++)
                    System.out.print(mat[i][j] + " ");
            }
            else
            {
                for (int j = mat[0].length - 1; j >= 0; j--)
                    System.out.print(mat[i][j] + " ");
            }
        }
    }
    public static void main(String[] args) {
        int mat[][] = new int[][]{
            { 10, 20, 30, 40 },
            { 15, 25, 35, 45 },
            { 27, 29, 37, 48 },
        };
```

```
        { 32, 33, 39, 50 }  
    };  
    print(mat);  
}  
}
```

OUTPUT :



The screenshot shows the 'Run' console of an IDE. The command executed is `"C:\Program Files\Java\jdk1.8.0_131\bin\java.exe" ...`. The output displayed is `10 20 30 40 45 35 25 15 27 29 37 48 50 39 33 32` followed by `Process finished with exit code 0`. The IDE interface includes a sidebar with icons for Run, Structure, and Run/Debug, and a bottom status bar showing 'All files are up-to-date (moments ago)', '16:10', 'CRLF', 'UTF-8', and '4 spaces'.

```
Run: Main  
"C:\Program Files\Java\jdk1.8.0_131\bin\java.exe" ...  
10 20 30 40 45 35 25 15 27 29 37 48 50 39 33 32  
Process finished with exit code 0  
Run | TODO | Problems | Terminal | Build | Event Log  
All files are up-to-date (moments ago) | 16:10 | CRLF | UTF-8 | 4 spaces
```